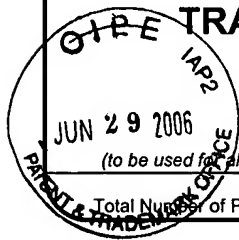


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

518

Application Number

10/714,191

Filing Date

November 14, 2003

First Named Inventor

John Fritsch

Art Unit

3677

Examiner Name

Jeffrey Andrew Sharp

Attorney Docket Number

12-9540-6520-0000-1

ENCLOSURES (Check all that apply)

Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)

Reply to Missing Parts/
Incomplete ApplicationReply to Missing Parts
under 37 CFR 1.52 or 1.53

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a
Provisional Application

Power of Attorney, Revocation



Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) _____

☐ Landscape Table on CD

Remarks



After Allowance Communication to TC

Appeal Communication to Board
of Appeals and InterferencesAppeal Communication to TC
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please identify
below):**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

MacLean-Fogg Company

Signature

Printed name

Dana Andrew Alden

Date

June 27, 2006

Reg. No.

46,475

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name

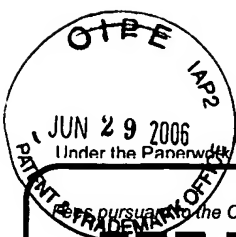
Dana Andrew Alden

Date

June 27, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Effective on 12/08/2004.
Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**
For FY 2005☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 180.00**Complete if Known**

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Examiner Name	Jeffrey Andrew Sharp
Art Unit	3677
Attorney Docket No.	12-9540-6520-0000-1

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account Number: 502318 Deposit Account Name: MacLean-Fogg Company

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims
- 20 or HP = _____	x _____	= _____		Fee (\$) Fee Paid (\$)

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP = _____	x _____	= _____	

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____	/ 50 = _____	(round up to a whole number) x _____	= _____	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): The fee set forth in Section 1.17(p)

Fees Paid (\$)

\$180.00

SUBMITTED BY

Signature

Registration No.
(Attorney/Agent) 46,475

Telephone (847) 970-4645

Name (Print/Type) Dana Andrew Alden

Date June 27, 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Via Express 1st Class Mail
Our File No. 12-9540-6520-0000-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors : John Fritsch
Serial Number : 10/714,191
Filing Date : November 14, 2003
Title : U-Nut Fastening Assembly
Examiner : Jeffrey Andrew Sharp
Art Unit : 3677
TO: Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with United States Postal Service with sufficient postage as first class mail in an envelope addressed to:
Commissioner for Patents, P.O. Box, 1450, Alexandria, VA 22313-1450, on June 27, 2006.

Dana Andrew Alden
Registration No. 46,475

Date: 6-27-06

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Please enter the remarks as set forth below.

07/03/2006 HDESTA1 00000049 502318 10714191

01 FC:1806 180.00 DA

REMARKS

In accordance with M.P.E.P. § 609, 37 C.F.R. §§ 1.97 and 1.98, Applicants tender herewith an information disclosure statement containing references, which may be material to patentability of the present invention.

As required, Applicants have included a copy of each foreign patent document and each non-patent publication. With respect to the requirement for a concise explanation of the relevance of information not in English, Applicants followed the following procedure. For each non-English document, Applicants first attempted to acquire a corresponding English version of the complete document. See, M.P.E.P. § 609.04(a) III. Where a corresponding English version of the complete document was unavailable, Applicants then attempted to acquire an English version of the Abstract. See, M.P.E.P. § 609.04(a) III. Where an English version of the Abstract was not available, Applicants then attempted to provide the office action or search report, wherein the reference was cited. See, M.P.E.P. § 609.04(a) III. Where neither of the foregoing were available, Applicants prepared a rough translation of the document. See, M.P.E.P. § 609.04(a) III.

Please be advised, that Applicants were unable to acquire copies of the following documents, which may be material to patentability of the present invention:

1. JP 51-124573;
2. IT 636531;
3. JP 59-54971;
4. JP 56-148116; and
5. JP 63-152822.

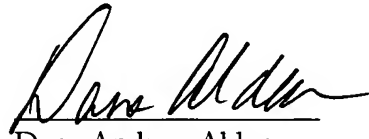
With respect to JP 56-148116 and JP 63-152822, however, Applicant encloses, immediately following this page, a translation of the office action wherein they were cited, as well as a translation of a portion of each document.

Applicant would appreciate the Examiner considering each reference on the enclosed information disclosure statements. If the Examiner has any questions,

comments, or requests in relation to the enclosed, please do not hesitate to contact Applicants' representative.

Dated: June 27, 2006

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Dana Alden", written over a horizontal line.

Dana Andrew Alden
(Reg. No. 46,475)
MacLean-Fogg Company
1000 Allanson Road
Mundelein, Illinois 60060
(847) 970-4645

Translation of the Office Action

The invention claimed in claims 1 through 9 of the present application is considered to have been easily made on the basis of the inventions described in the following publications which were circulated in Japan prior to the filing of the present application, and therefore the invention is considered unpatentable in view of the provisions of Article 29, Para 2. of the Patent Law.

REFERENCES

- (1) Japanese Utility Model Laid-open JP-U-A-56-148116 (1981)
- (2) Japanese Utility Model Laid-open JP-U-A-63-152822 (1988)
- (3) Japanese Patent Laid-open JP-A-54-147349 (1979)
- (4) Japanese Patent Laid-open JP-A-62-176828 (1987)
- (5) Japanese Patent Laid-open JP-A-61-192915 (1986)

Remarks:

© With respect to claims 1 to 9:

(1) References 1: See the shape of a covering body 1 in which a nut body 4 is disposed. With a bolt threaded through the nut body 4, the bolt is threadedly cut into a bore 2 of the covering body 1. This prevents the bolt from loosening.

(2) References 2: See the structure for retaining a leaf spring 13.

(3) References 3: See the structure for covering a soft packing 4 with a plastic cap 5.

(4) It is a well known matter to retain a nut and the like with a circular rib (see references 4 and 5).

(5) It is merely a matter of engineering design to provide a circular rib for retaining a washer.

Translation of the relevant portions of reference 1

(Japanese Utility Model Publication JP-U-A-56-148116 (1981))

(1) Reference 1 discloses a nut comprising a covering body 1 in which and a nut body 4 is disposed. The covering body 1 is made of hard plastic material. The nut body 4 of metal is embedded in the covering body 1 at its lower end and includes an internal threads 3, a pitch diameter of which is substantially the same as the inner diameter of the bore 2 of covering body 1.

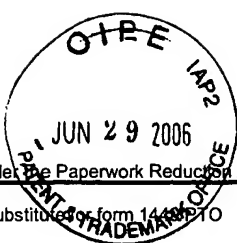
With a bolt threaded through the nut body 4, the bolt is threadedly cut into a bore 2 of the covering body 1. Thus this prevents the bolt from loosening due to the elasticity of the hard plastic material.

Translation of the relevant portions of reference 2

(Japanese Utility Model Publication JP-U-A-63-152822 (1988))

Reference 2 discloses a nut for a bolt for retaining a corrugated plate. A plastic cap 1 includes an annular groove 6 formed therein. A threaded member 3 is fixed within the cap 1 so that it can not rotate relative to the cap 1. An elastic disk-shaped abutment plate 7 is inserted in the groove 6 for rotation. A leaf spring 13 is interposed between the abutment plate 7 and the threaded member 3 and freely received in the groove 6. A through hole 14 for a bolt is centrally formed in the leaf spring 13.

A hook bolt 2 is threaded into the threaded member 3 with the upper surface of the abutment plate 7 abutting against the lower surface of the elastic plate 13.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substituted for form 1449 PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 42

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 33,487	10-15-1861	L. Marsh	Pages 1-2
		US- 45,133	11-22-1864	Bonwill	Pages 1-3
		US- 80,031	07-14-1868	N. Thompson	Pages 1-3
		US- 142,112	08-26-1873	Corning et al.	Pages 1-2
		US- 185,936	01-02-1877	Landfear	Pages 1-2
		US- 197,467	11-27-1877	H. A. Harvey	Pages 1-2
		US- 205,990	07-16-1878	G. C. Armstrong	Pages 1-3
		US- 229,287	05-27-1884	F. B. Stevens	Pages 1-3
		US- 243,493	06-28-1881	J. C. Bloom	Pages 1-2
		US- 292,063	01-15-1884	N. E. Shailer	Pages 1-3
		US- 324,487	08-18-1885	Rice	Pages 1-3
		US- 367,196	07-26-1887	B. N. Deblieux	Pages 1-2
		US- 369,362	09-06-1887	D. C. Plank	Pages 1-3
		US-			
		US- 388,000	08-14-1888	J. T. Rider	Pages 1-3
		US- 429,851	06-10-1890	Ericson	Pages 1-3
		US- 449,887	04-07-1891	C. D. Harvey	Pages 1-3
		US- 453,563	06-02-1891	Nicholson	Pages 1-2
		US- 464,301	12-01-1891	H. A. Harvey	Pages 1-3

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		GB2201216	08-24-1988	Heal	Pages 1-15	
		GB739495	10-26-1955	Svenska Aktiebolaget	Pages 1-5	
		EP291412 A1	11-17-1988	Gault	Pages 1-14	✓
		WO 9407041	03-31-1994	Matthews Norma Leslie	Pages 1-24	
		DE 41 05 741 A1	09-03-1992	Mercedes Benz	Pages 1-6	✓
		GB 2051285	01-14-1981	Jones	Pages 1-4	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 42

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 497,510	05-16-1893	Adler	Pages 1-3
		US- 551,043	12-10-1895	H. A. Otto	Pages 1-2
		US- 553,780	01-28-1896	J. Dickason	Pages 1-3
		US- 586,232	07-13-1897	S. W. English	Pages 1-3
		US- 594,330	11-23-1897	Cox, Jr.	Pages 1-3
		US- 638,326	12-05-1899	E. L. Farr	Pages 1-4
		US- 684,673	10-15-1901	C. S. Clark	Pages 1-4
		US- 715,891	12-16-1902	W. A. Somerby	Pages 1-3
		US- 720,580	02-17-1903	E. T. Greenfield	Pages 1-3
		US- 738,217	09-08-1903	H. T. Love	Pages 1-5
		US- 752,628	02-16-1904	W. C. Miner	Pages 1-2
		US- 793,824	07-04-1905	J. V. Culliney	Pages 1-4
		US- 794,127	07-04-1905	C. E. Slayton & D. L. Zellner	Pages 1-5
		US- 827,562	07-31-1906	J. N. Pollock & N. W. Druelle	Pages 1-3
		US- 843,720	02-12-1907	J. Waddell & D. W. Tower	Pages 1-3
		US- 853,005	04-14-1908	C. Kesler	Pages 1-3
		US- 887,962	05-19-1908	H. Reisner	Pages 1-3
		US- 889,593	06-02-1908	J. C. Fleischmann	Pages 1-3
		US- 909,033	01-05-1909	L. A. Smith	Pages 1-2

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		GB 567 862	03-06-1945	Birchall	Pages 1-4	
		GB 662 298	12-05-1951	Simmonds Aerocessories Lt	Pages 1-4	
		AU-B-1 785 270	01-27-1972	Padget	Pages 1-16	
		GB-A-213 188	03-27-1924	William Youlten	Pages 1-3	
		GB-A-7 781	03-28-1912	C. J. H. MacKenzie-Kenned	Pages 1-7	
		FR 575 341	07-28-1924	Gloriod	Pages 1-2	✓

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 3 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 910,712	01-26-1909	M. C. McCoy	Pages 1-3
		US- 920,947	05-11-1909	C. N. Gilmore	Pages 1-4
		US- 948,326	02-08-1910	J. P. Hesse	Pages 1-3
		US- 949,741	02-15-1910	C. D. Loehr	Pages 1-2
		US- 986,510	03-14-1911	W. A. Scott	Pages 1-2
		US- 1,000,280	08-08-1911	Messenger	Pages 1-3
		US- 1,011,398	12-12-1911	Andregg	Pages 1-2
		US- 1,015,059	01-16-1912	Morgan	Pages 1-3
		US- 1,016,897	02-06-1912	C. Ryan	Pages 1-2
		US- 1,036,825	08-27-1912	Garchey	Pages 1-3
		US- 1,048,590	12-31-1912	Russell	Pages 1-3
		US- 1,049,590	01-07-1913	P. W. Mosher	Pages 1-3
		US- 1,059,260	04-15-1913	L. V. Barrett	Pages 1-3
		US- 1,064,792	06-17-1913	D. Vance	Pages 1-3
		US- 1,070,247	08-12-1913	F. P. Haines	Pages 1-3
		US- 1,075,310	10-7-1913	M. C. Ulrich	Pages 1-3
		US- 1,088,892	03-03-1914	Foreman	Pages 1-3
		US- 1,112,525	10-06-1914	H. R. Darling	Pages 1-3
		US- 1,143,091	06-15-1915	E. B. Stimpson	Pages 1-4

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		FR 633 186	01-23-1928	Vallery	Pages 1-2	✓
		FR 646 842	11-16-1928	Hamel	Pages 1-3	✓

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 4 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 1,146,078	07-13-1915	J. E. Moore	Pages 1-2
		US- 1,158,454	11-02-1915	J. W. De Camp	Pages 1-2
		US- 1,201,944	10-17-1916	Dodds	Pages 1-3
		US- 1,210,310	12-26-1916	A. E. Hickling & H. Lamb	Pages 1-2
		US- 1,229,911	06-12-1917	E. I. Dodds	Pages 1-3
		US- 1,235,626	08-07-1917	C. D. Woodward	Pages 1-2
		US- 1,238,636	08-28-1917	C. L. Christofferson	Pages 1-4
		US- 1,250,748	12-18-1917	I. C. Woodward	Pages 1-3
		US- 1,288,893	12-24-1918	Holmes	Pages 1-3
		US- 1,294,268	02-11-1919	Holmes	Pages 1-3
		US- 1,297,845	03-18-1919	N. Hawrylasz	Pages 1-3
		US- 1,300,801	04-15-1919	I. C. Woodward	Pages 1-3
		US- 1,320,259	10-28-1919	F. Martens	Pages 1-2
		US- 1,362,082	07-05-1927	A. G. E. Hultgreen et al.	Pages 1-3
		US- 1,363,710	12-28-1920	J. Best	Pages 1-2
		US- 1,406,315	02-14-1922	Whittaker	Pages 1-2
		US- 1,411,184	03-28-1922	H. Rosenberg	Pages 1-4
		US- 1,451,484	04-10-1923	I. C. Woodward	Pages 1-2
		US- 1,465,148	08-14-1923	Heyman	Pages 1-3

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 5 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 1,495,687	05-27-1924	D. Grosclaude	Pages 1-3
		US- 1,554,249	09-22-1925	E. R. Wolf	Pages 1-4
		US- 1,556,599	10-13-1925	H. H. Harbecke	Pages 1-4
		US- 1,581,559	04-20-1926	D. E. Williams	Pages 1-3
		US- 1,592,627	07-13-1926	C. Egleston	Pages 1-3
		US- 1,622,581	03-29-1927	H. Gunkel	Pages 1-3
		US- 1,626,863	05-03-1927	H. M. Nacey	Pages 1-3
		US- 1,660,455	02-28-1928	R. Plumb	Pages 1-5
		US- 1,668,025	05-01-1928	C. G. Olson	Pages 1-3
		US- 1,676,482	07-10-1928	O. H. De Lapotterie	Pages 1-4
		US- 1,697,118	01-01-1929	W. E. Hoke	Pages 1-11
		US- 1,708,793	04-09-1929	Jones	Pages 1-3
		US- 1,741,279	12-31-1929	W. C. Bowman	Pages 1-3
		US- 1,749,903	03-11-1930	C. D. Cannon	Pages 1-3
		US- 1,759,339	05-20-1930	B. T. Anderson	Pages 1-3
		US- 1,761,581	06-30-1930	J. P. Northey et al.	Pages 1-3
		US- 1,798,604	03-31-1931	W. E. Hoke	Pages 1-10
		US- 1,799,941	04-07-1931	Wulle	Pages 1-5
		US- 1,802,668	04-28-1931	F. E. Newton	Pages 1-3

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 6 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 1,807,494	05-26-1931	G. P. Proctor	Pages 1-3
		US- 1,821,312	09-01-1931	N. R. Lillig	Pages 1-3
		US- 1,825,419	09-29-1931	F. J. Plym	Pages 1-3
		US- 1,828,856	10-27-1931	L. B. Bridges	Pages 1-8
		US- 1,862,486	06-07-1932	Trotter	Pages 1-6
		US- 1,868,083	07-19-1932	Wheelwright	Pages 1-4
		US- 1,871,819	08-16-1932	Rossmann	Pages 1-3
		US- 1,874,657	08-30-1932	G. C. Trotter	Pages 1-4
		US- 1,887,616	11-15-1931	J. Berg	Pages 1-3
		US- 1,909,477	05-16-1933	Trotter	Pages 1-4
		US- 1,923,647	08-22-1933	J. F. Verg	Pages 1-3
		US- 1,929,808	10-10-1933	Benton Cataline	Pages 1-3
		US- 1,938,399	12-05-1933	G. C. Olson	Pages 1-3
		US- 1,940,675	12-26-1933	Alfred Crowther George	Pages 1-5
		US- 1,952,115	03-27-1934	Borst, Jr.	Pages 1-5
		US- 1,952,305	03-27-1934	W. M. Beck	Pages 1-2
		US- 1,953,305	04-03-1934	J. A. MacLean	Pages 1-5
		US- 1,957,095	05-01-1934	E. Z. Cole	Pages 1-5
		US- 1,963,542	06-19-1934	Bergstrom	Pages 1-3

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 7 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 1,969,796	08-14-1934	W. E. Hoke	Pages 1-4
		US- 1,971,676	08-28-1934	Borst Jr.	Pages 1-7
		US- 1,971,917	08-28-1934	Newton	Pages 1-3
		US- 2,012,032	08-20-1935	W. E. Zinnbauer	Pages 1-6
		US- 2,034,494	03-17-1936	A. Stoll	Pages 1-4
		US- 2,037,066	07-10-1933	Cook et al.	Pages 1-3
		US- 2,037,586	04-14-1936	C. G. Olson	Pages 1-10
		US- 2,041,568	05-19-1936	C. G. Olson	Pages 1-3
		US- 2,054,187	09-15-1936	E. Almdale	Pages 1-4
		US- 2,060,593	11-10-1936	Schaurte et al.	Pages 1-4
		US- 2,076,041	04-06-1937	E. Payne	Pages 1-3
		US- 2,093,026	09-14-1937	Bernhard	Pages 1-3
		US- 2,095,397	10-12-1937	G. J. Overmyer	Pages 1-3
		US- 2,102,494	12-14-1937	J. J. Connell	Pages 1-4
		US- 2,109,778	03-01-1938	J. Meersteiner	Pages 1-3
		US- 2,112,494	03-29-1938	C. G. Olson	Pages 1-4
		US- 2,128,757	08-30-1938	C. G. Olson	Pages 1-5
		US- 2,133,555	10-18-1938	Mayfield	Pages 1-2
		US- 2,135,637	11-08-1938	H. F. Gade	Pages 1-4

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 8 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 2,147,209	02-14-1939	C. G. Olson	Pages 1-3
		US- 2,147,211	02-14-1939	C. G. Olson	Pages 1-4
		US- 2,160,706	05-30-1939	Olson	Pages 1-4
		US- 2,165,011	07-14-1939	Heyman Rosenberg	Pages 1-12
		US- 2,165,149	07-04-1939	Olson	Pages 1-3
		US- 2,174,578	10-03-1939	H. C. Graham	Pages 1-4
		US- 2,177,003	10-24-1939	W. A. Purtell	Pages 1-3
		US- 2,177,004	10-24-1939	W. A. Purtell	Pages 1-5
		US- 2,177,005	10-24-1939	W. A. Purtell	Pages 1-3
		US- 2,191,101	02-20-1940	D. V. Stellin	Pages 1-11
		US- 2,200,227	05-07-1940	Olson	Pages 1-4
		US- 2,210,455	08-06-1940	R. T. Hosking	Pages 1-3
		US- 2,217,951	10-15-1940	R. T. Hosking	Pages 1-4
		US- 2,223,202	11-26-1940	Bergan	Pages 1-3
		US- 2,226,491	12-24-1940	C. W. Gustafson	Pages 1-3
		US- 2,228,217	01-07-1941	C. G. Olson	Pages 1-7
		US- 2,229,892	01-28-1941	R. T. Hosking	Pages 1-3
		US- 2,232,336	02-18-1941	J. Meersteiner	Pages 1-8
		US- 2,232,337	02-18-1941	Frieda Meersteiner	Pages 1-8

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 9 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 2,234,677	03-11-1941	L. Larsen	Pages 1-4
		US- 2,247,981	07-01-1941	C. C. Washer	Pages 1-4
		US- 2,251,201	07-29-1941	W. A. Purtell	Pages 1-5
		US- 2,253,241	08-19-1941	R. A. MacDonald	Pages 1-4
		US- 2,254,503	09-21-1941	G. F. Thomas et al.	Pages 1-9
		US- 2,263,137	11-18-1941	L. Oestereicher	Pages 1-5
		US- 2,266,555	12-16-1942	E. Jorcan et al.	Pages 1-3
		US- 2,266,758	12-23-1942	E. T. Holtz	Pages 1-5
		US- 2,269,476	01-13-1942	O. J. Poupitch	Pages 1-4
		US- 2,271,732	02-03-1942	J. A. Chappius	Pages 1-6
		US- 2,278,062	03-31-1942	A. De Koharovich	Pages 1-3
		US- 2,278,411	04-07-1942	Braendel	Pages 1-3
		US- 2,284,659	06-02-1942	R. T. Hosking	Pages 1-7
		US- 2,289,066	07-07-1942	C. G. Olson	Pages 1-5
		US- 2,293,930	08-25-1942	Braendel	Pages 1-5
		US- 2,297,957	10-06-1942	W. M. Hanneman	Pages 1-4
		US- 2,301,181	11-10-1942	E. M. Ilseman	Pages 1-4
		US- 2,302,675	11-24-1942	A. J. Cherry	Pages 1-4
		US- 2,308,967	01-19-1934	Kuss	Pages 1-5

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 10 of 42

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 2,314,897	03-30-1943	Purinton	Pages 1-3
		US- 2,314,898	03-30-1943	Purinton	Pages 1-3
		US- 2,330,869	10-05-1943	Cherry	Pages 1-6
		US- 2,352,540	06-1944	W. M. Hanneman	Pages 1-5
		US- 2,342,170	02-22-1944	Tinnerman	Pages 1-7
		US- 2,346,835	04-18-1944	E. M. Green	Pages 1-5
		US- 2,349,592	05-23-1944	R. T. Hosking	Pages 1-5
		US- 2,350,756	06-06-1944	G. W. Heinold	Pages 1-4
		US- 2,352,265	06-27-1944	F. Kapple et al.	Pages 1-7
		US- 2,352,540	06-27-1944	W. M. Hanneman	Pages 1-5
		US- 2,352,982	07-04-1944	J. J. Tomalis	Pages 1-5
		US- 2,356,098	08-15-1944	L. C. Steinle et al.	Pages 1-5
		US- 2,367,213	01-16-1945	H. R. Harding	Pages 1-12
		US- 2,371,365	03-13-1945	J. J. Tomalis et al.	Pages 1-4
		US- 2,377,405	06-05-1945	M. L. Davies	Pages 1-3
		US- 2,382,019	08-14-1945	E. A. Miller	Pages 1-3
		US- 2,407,160	09-03-1946	Kohn	Pages 1-3
		US- 2,409,638	10-22-1946	Lyon	Pages 1-4
		US- 2,414,870	01-28-1947	L. E. Harding	Pages 1-5

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 11 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 2,428,783	10-14-1947	E. J. Cole	Pages 1-4
		US- 2,437,638	03-09-1948	E. R. Evans	Pages 1-10
		US- 2,444,276	06-29-1948	C. A. Aldrich	Pages 1-3
		US- 2,467,548	04-19-1949	Bradley	Pages 1-3
		US- 2,484,644	10-11-1949	O. J. Poupitch	Pages 1-4
		US- 2,484,645	10-11-1949	R. K. F. Baumle	Pages 1-3
		US- 2,486,769	11-01-1949	S. H. Watson, Jr.	Pages 1-5
		US- 2,498,221	02-21-1950	O. J. Poupitch	Pages 1-5
		US- 2,510,203	06-06-1950	Andreasson	Pages 1-9
		US- 2,557,288	06-19-1951	R. T. Hosking	Pages 1-2
		US- 2,562,516	07-31-1951	Williams	Pages 1-3
		US- 2,597,835	05-20-1952	Eksergian	Pages 1-6
		US- 2,619,146	11/25/1952	O. J. Poupitch	Pages 1-3
		US- 2,637,361	05-05-1953	C. E. Nagel	Pages 1-3
		US- 2,661,969	12-08-1953	Thiry	Pages 1-4
		US- 2,672,659	03-23-1954	P. D. Becker	Pages 1-3
		US- 2,675,844	04-20-1954	F. K. Knoch	Pages 1-3
		US- 2,679,774	06-01-1954	R. A. MacDonald	Pages 1-3
		US- 2,681,678	06-22-1954	A. Hage	Pages 1-3

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 12 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 2,685,812	08-10-1954	G. A. Dmitroff	Pages 1-4
		US- 2,735,470	02-21-1956	O. J. Poupitch	Pages 1-3
		US- 2,740,650	04-03-1956	Hutton	Pages 1-4
		US- 2,741,289	04-10-1956	H. B. Grow	Pages 1-4
		US- 2,778,399	01-22-1957	E. L. Mroz	Pages 1-3
		US- 2,779,376	01-29-1957	O. J. Poupitch	Pages 1-4
		US- 2,779,379	01-29-1957	F. M. Willis	Pages 1-3
		US- 2,783,810	03-05-1957	R. A. Wrigley	Pages 1-3
		US- 2,788,046	04-09-1957	J. Rosan	Pages 1-5
		US- 2,794,476	06-04-1957	W. M. Hanneman	Pages 1-5
		US- 2,819,105	01-07-1958	Behnke	Pages 1-3
		US- 2,833,326	05-06-1958	F. K. Knohl	Pages 1-4
		US- 2,844,409	07-22-1958	Eksergian	Pages 1-5
		US- 2,846,744	08-12-1993	Dix	Pages 1-2
		US- 2,856,617	10-21-1958	A. A. Widmann	Pages 1-7
		US- 2,859,074	11-04-1958	Easton	Pages 1-3
		US- 2,873,641	02-17-1959	E. R. Evans	Pages 1-6
		US- 2,884,038	04-28-1959	Overton	Pages 1-3
		US- 2,886,088	05-12-1959	L. J. Brancato	Pages 1-3

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 13 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 2,901,019	08-25-1959	H. B. Schweppe	Pages 1-5
		US- 2,913,031	11-17-1959	T. L. McKay et al.	Pages 1-8
		US- 2,914,149	11-24-1959	J. P. Walker	Pages 1-6
		US- 2,937,040	05-17-1960	Hutton	Pages 1-3
		US- 2,937,060	05-17-1960	Lachance	Pages 1-3
		US- 2,939,160	06-07-1960	H. H. Mitchell	Pages 1-3
		US- 2,959,086	11-08-1960	C. H. Gerlach et al.	Pages 1-5
		US- 2,959,204	11-08-1960	R. M. Rigot	Pages 1-2
		US- 3,010,503	11-28-1960	C. R. Beuter	Pages 1-3
		US- 3,020,570	02-13-1962	R. B. Wallacle et al.	Pages 1-5
		US- 3,056,443	10-02-1962	L. T. Knocke	Pages 1-5
		US- 3,076,208	02-05-1963	H. Moore	Pages 1-2
		US- 3,077,218	02-12-1963	E. Ziegler	Pages 1-5
		US- 3,078,899	02-26-1963	J. A. MacLean III et al.	Pages 1-8
		US- 3,078,900	02-26-1963	R. H. Walker	Pages 1-4
		US- 3,079,830	03-05-1963	C. C. Faroni et al.	Pages 1-3
		US- 3,083,796	04-02-1963	Bell, Jr.	Pages 1-3
		US- 3,102,746	09-03-1963	W. C. Kerr	Pages 1-3
		US- 3,120,254	02-04-1964	W. G. Waltermire et al.	Pages 1-3

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 14 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,122,386	02-25-1964	Stanley Pearson Arthur	Pages 1-2
		US- 3,124,188	03-10-1964	H. G. Muenchinger	Pages 1-5
		US- 3,124,408	03-10-1964	L. Oestereich	Pages 1-8
		US- 3,127,919	04-07-1964	K. A. Swanson	Pages 1-6
		US- 3,133,579	05-19-1964	D. W. Grimm et al.	Pages 1-5
		US- 3,134,115	05-26-1964	H. Moore et al.	Pages 1-3
		US- 3,139,786	07-07-1964	Ardell	Pages 1-3
		US- 3,144,695	08-18-1964	Budwig	Pages 1-5
		US- 3,158,390	11-24-1964	G. V. Woodling	Pages 1-4
		US- 3,164,055	01-05-1965	W. B. Duffy	Pages 1-8
		US- 3,165,136	01-12-1965	B. M. Horton	Pages 1-5
		US- 3,177,755	04-13-1965	S. S. Kahn	Pages 1-6
		US- 3,180,126	04-27-1965	R. H. Carlson	Pages 1-6
		US- 3,180,202	04-27-1965	S. S. Kahn	Pages 1-8
		US- 3,182,703	04-11-1965	G. F. Smyth	Pages 1-7
		US- 3,186,464	06-01-1965	R. K. F. Baumle	Pages 1-4
		US- 3,190,334	06-22-1956	W. K. Wigman	Pages 1-3
		US- 3,194,292	07-13-1965	F. J. Borowsky	Pages 1-2
		US- 3,196,918	07-27-1965	L. F. Hampton	Pages 1-7

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	15	of	42
-------	----	----	----

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,199,186	08-10-1965	Simpson	Pages 1-8
		US- 3,200,691	08-17-1965	R. Neuschotz	Pages 1-9
		US- 3,204,679	09-07-1965	J. Walsh	Pages 1-3
		US- 3,208,328	09-28-1965	J. L. Myers	Pages 1-3
		US- 3,213,742	10-26-1965	S. S. Kahn	Pages 1-5
		US- 3,213,914	10-26-1965	R. K. F. Baumle et al.	Pages 1-10
		US- 3,221,792	12-07-1965	O. J. Poupitch	Pages 1-3
		US- 3,241,589	03-22-1966	M. L. Enders	Pages 1-4
		US- 3,246,556	04-19-1966	H. F. Phipard, Jr.	Pages 1-11
		US-			
		US- 3,248,747	05-03-1966	R. J. Scott	Pages 1-2
		US- 3,249,142	05-03-1966	H. F. Phipard, Jr.	Pages 1-7
		US- 3,253,631	05-31-1966	H. E. Reusser	Pages 1-4
		US- 3,253,727	05-31-1966	A. W. Hart	Pages 1-3
		US- 3,263,727	08-02-1966	A. B. Herpolsheimer	Pages 1-5
		US- 3,274,752	04-26-1966	R. J. Greenleaf et al.	Pages 1-3
		US- 3,275,055	09-27-1966	C. E. Gutshall	Pages 1-6
		US- 3,279,519	10-18-1966	R. Neuschotz	Pages 1-5
		US- 3,286,579	11-22-1966	L. J. Lovisek	Pages 1-3

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 16 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,295,580	01-03-1967	W. G. Waltermire	Pages 1-4
		US- 3,301,299	01-31-1967	G. W. Stanwick	Pages 1-4
		US- 3,305,987	02-28-1967	F. E. Weaver	Pages 1-9
		US- 3,306,669	05-29-1962	H. E. Schultze et al.	Pages 1-6
		US- 3,322,019	05-30-1967	L. J. Lovisek	Pages 1-2
		US- 3,329,190	07-04-1967	C. O. Oldenkott	Pages 1-6
		US- 3,332,464	07-25-1967	G. A. L. Castel	Pages 1-4
		US- 3,339,389	09-05-1967	W. A. Moscow	Pages 1-4
		US- 3,342,234	09-19-1967	E. R. Evans	Pages 1-7
		US- 3,343,580	09-26-1967	C. P. Coldren	Pages 1-3
		US- 3,346,278	10-10-1967	W. C. Yocum	Pages 1-5
		US- 3,352,344	11-14-1967	J. C. Lanius Jr.	Pages 1-4
		US- 3,366,421	01-30-1968	Bradley	Pages 1-3
		US- 3,370,631	02-27-1968	J. J. James	Pages 1-4
		US- 3,381,733	05-07-1968	G. W. Stanwick	Pages 1-4
		US- 3,384,394	05-21-1986	O'Connor	Pages 1-3
		US- 3,385,340	05-28-1968	E. R. Evans	Pages 1-7
		US- 3,385,341	05-28-1968	C. J. Garstkiewicz	Pages 1-4
		US- 3,386,771	06-04-1968	Henri Verdier	Pages 1-3

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 17 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,389,734	06-25-1968	C. E. Gutshall	Pages 1-3
		US- 3,391,721	07-09-1968	J. Rosan	Pages 1-5
		US- 3,398,625	08-27-1968	C. H. Ansingh	Pages 1-4
		US- 3,398,775	08-27-1968	Morin Louis	Pages 1-3
		US- 3,399,705	09-03-1968	A. R. Breed et al.	Pages 1-6
		US- 3,417,802	12-24-1968	C. O. Oldenkott	Pages 1-5
		US- 3,418,012	12-24-1968	La Torre	Pages 1-7
		US- 3,426,820	02-11-1969	H. F. Phipard, Jr.	Pages 1-5
		US- 3,430,673	03-04-1969	G. M. Rapta	Pages 1-4
		US- 3,438,416	04-15-1969	R. L. Thurston	Pages 1-3
		US- 3,451,080	06-24-1969	A. H. McIntyre et al.	Pages 1-8
		US- 3,454,070	07-08-1969	H. F. Phipard, Jr.	Pages 1-7
		US- 3,459,250	08-05-1969	J. A. Tabor	Pages 1-17
		US- 3,472,119	10-14-1969	C. B. Peterson, Jr	Pages 1-3
		US- 3,476,010	11-04-1969	Markey	Pages 1-4
		US- 3,481,178	12-02-1969	Wilkins	Pages 1-7
		US- 3,481,380	12-02-1969	A. R. Breed	Pages 1-7
		US- 3,485,134	12-23-1969	Ott	Pages 1-5
		US- 3,489,195	02-18-1969	F. T. Christian et al.	Pages 1-2

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 18 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,492,906	02-03-1970	Hauser	Pages 1-3
		US- 3,492,908	02-03-1970	Thurston	Pages 1-3
		US- 3,500,886	03-17-1970	F. Dvorak	Pages 1-4
		US- 3,504,722	04-07-1970	A. R. Breed	Pages 1-6
		US- 3,517,717	06-30-1970	R. W. Orlomoski	Pages 1-15
		US- 3,520,343	07-14-1970	E. R. Evans	Pages 1-5
		US- 3,527,136	09-08-1970	Charles A. Wilson	Pages 1-7
		US- 3,530,760	09-29-1970	Robert O. Lindstand	Pages 1-4
		US- 3,530,920	09-29-1970	Howard I. Podell	Pages 1-9
		US- 3,540,509	11-17-1970	Charles E. Gutshall	Pages 1-4
		US- 3,543,826	12-01-1970	Harcourt L. Fogaard	Pages 1-6
		US- 3,561,820	02-09-1971	Chaivre	Pages 1-4
		US- 3,588,792	06-28-1971	Kindell	Pages 1-3
		US- 3,595,506	07-27-1971	Saunders	Pages 1-6
		US- 3,605,845	09-20-1971	G. H. Junker	Pages 1-6
		US- 3,633,455	01-11-1972	Eugene R. Larson	Pages 1-6
		US- 3,640,326	02-08-1972	Edward L. Brown	Pages 1-4
		US- 3,643,543	02-22-1972	Charles E. Gutshall	Pages 1-3
		US- 3,653,241	04-04-1972	Roger W. Orlomoski	Pages 1-21

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet	19	of	42
-------	----	----	----

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,661,046	05-09-1972	Cornelius Byron Waud	Pages 1-5
		US- 3,662,643	05-16-1972	Harry Scheffer	Pages 1-6
		US- 3,687,184	08-29-1972	David P. Wagner	Pages 1-5
		US- 3,704,739	12-05-1972	Holton	Pages 1-5
		US- 3,721,283	03-20-1973	Robert J. Evans	Pages 1-8
		US- 3,731,725	05-08-1973	Alfred H. Brophy	Pages 1-7
		US- 3,734,483	05-22-1973	John Adams	Pages 1-10
		US- 3,742,808	07-03-1973	Trembley	Pages 1-9
		US- 3,750,525	08-07-1973	Waters et al.	Pages 1-6
		US- 3,752,203	08-14-1973	Hill, Jr.	Pages 1-4
		US- 3,762,455	10-02-1973	Anderson, Jr.	Pages 1-5
		US- 3,782,436	01-01-1974	Steiner	Pages 1-5
		US- 3,789,644	02-05-1974	Orlomoski	Pages 1-9
		US- 3,794,092	02-26-1974	Carson et al.	Pages 1-20
		US- 3,812,639	05-28-1974	Sygnator	Pages 1-4
		US- 3,813,179	05-28-1974	Priest	Pages 1-14
		US- 3,816,701	06-11-1974	Stromer	Pages 1-6
		US- 3,822,902	07-09-1974	Maurer et al.	Pages 1-6
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	20	of	42
-------	----	----	----

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-			
		US- 3,823,526	07-16-1974	Rose	Pages 1-3
		US- 3,825,051	07-23-1974	Sigmund	Pages 1-6
		US- 3,828,515	08-13-1974	Galgoczy et al.	Pages 1-7
		US- 3,830,271	08-20-1974	Soubitez	Pages 1-5
		US- 3,850,215	11-26-1974	Orlomoski	Pages 1-15
		US- 3,856,065	12-24-1974	Gehring	Pages 1-4
		US- 3,867,871	02-25-1975	Shore	Pages 1-5
		US- 3,875,780	04-08-1975	Cochrum et al.	Pages 1-10
		US- 3,877,339	04-15-1975	Muenchinger	Pages 1-6
		US- 3,877,502	04-15-1975	Hunckler	Pages 1-5
		US- 3,878,759	04-22-1975	Carlson	Pages 1-9
		US- 3,881,391	05-06-1975	Dereszynski	Pages 1-4
		US- 3,895,663	07-22-1975	Bachline et al.	Pages 1-8
		US- 3,901,066	08-26-1975	Orlomoski	Pages 1-15
		US- 3,907,017	09-23-1975	Stanwick	Pages 1-5
		US- 3,910,331	10-07-1975	Randall	Pages 1-3
		US- 3,926,237	12-16-1975	Enders	Pages 1-9
		US- 3,935,785	02-03-1976	Lathom	Pages 1-8

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 21 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,942,406	03-09-1976	Egner	Pages 1-9
		US- 3,967,083	06-29-1967	Bould et al.	Pages 1-15
		US- 3,967,669	07-06-1976	Egner	Pages 1-12
		US- 3,972,360	08-03-1976	Cadwallader	Pages 1-7
		US- 3,975,992	08-24-1976	Cagle	Pages 1-5
		US- 3,978,760	09-07-1976	Muenchinger	Pages 1-12
		US- 3,982,575	09-28-1976	Ollis, Jr. et al.	Pages 1-6
		US- 3,999,583	12-28-1976	Nelson	Pages 1-4
		US- 4,034,788	07-12-1977	Melone	Pages 1-7
		US- 4,040,327	08-09-1977	Otaki	Pages 1-8
		US- 4,066,278	01-03-1978	Takagi	Pages 1-6
		US- 4,071,067	01-31-1978	Goldby	Pages 1-8
		US- 4,076,064	02-28-1978	Holmes	Pages 1-5
		US- 4,094,352	06-13-1978	Hlinsky	Pages 1-7
		US- 4,100,368	07-11-1978	Thomsen	Pages 1-4
		US- 4,113,278	09-12-1978	Rissberger	Pages 1-6
		US- 4,134,438	01-16-1979	Frieberg et al.	Pages 1-7
		US- 4,150,702	04-24-1979	Holmes	Pages 1-7
		US- 4,171,012	10-16-1979	Holmes	Pages 1-7

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet	22	of	42
-------	----	----	----

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,218,954	08-26-1980	Morel	Pages 1-6
		US- 4,220,188	09-02-1980	McMurray	Pages 1-7
		US- 4,223,711	09-23-1980	Tabor	Pages 1-6
		US- 4,231,281	11-04-1980	Reinwall, Jr.	Pages 1-4
		US- 4,252,168	02-24-1981	Capuano	Pages 1-10
		US- 4,258,607	03-31-1981	Makewam	Pages 1-4
		US- 4,260,055	04-07-1981	Stencel	Pages 1-13
		US- 4,269,248	05-26-1981	MacLean et al.	Pages 1-5
		US- 4,281,699	08-04-1981	Grube	Pages 1-6
		US- 4,283,091	08-11-1981	Capuano	Pages 1-12
		US- 4,286,642	09-01-1981	Keatley	Pages 1-4
		US- 4,289,181	09-15-1981	Capuano	Pages 1-8
		US- 4,293,256	10-06-1981	Pamer	Pages 1-13
		US- 4,294,300	10-13-1981	Bouwman	Pages 1-5
		US- 4,310,272	01-12-1982	Rich et al.	Pages 1-8
		US- 4,331,414	05-24-1982	Wheatley, Jr.	Pages 1-5
		US- 4,341,497	07-27-1982	Downey et al.	Pages 1-4
		US- 4,350,465	09-21-1982	Lovisek	Pages 1-6
		US- 4,351,626	09-28-1982	Holmes	Pages 1-7

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	23	of	42
-------	----	----	----

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,376,605	03-15-1983	Thomsen	Pages 1-4
		US- 4,377,361	03-22-1983	Friberg	Pages 1-5
		US- 4,380,414	04-19-1983	Capuano	Pages 1-9
		US- 4,431,353	02-14-1984	Capuano	Pages 1-16
		US- 4,478,387	10-23-1984	Postema	Pages 1-4
		US- 4,488,843	12-18-1984	Achille	Pages 1-6
		US- 4,490,082	12-25-1984	Barth	Pages 1-4
		US- 4,490,920	01-01-1985	Griset	Pages 1-13
		US- 4,498,825	02-12-1985	Pamer et al.	Pages 1-7
		US- 4,516,893	05-14-1985	Barth	Pages 1-8
		US- 4,518,294	05-21-1985	Barth	Pages 1-4
		US- 4,534,023	09-24-1985	Capuano	Pages 1-8
		US- 4,538,313	09-03-1985	Friberg	Pages 1-4
		US- 4,544,312	10-01-1985	Stencel	Pages 1-7
		US- 4,544,313	10-01-1985	Grossberndt	Pages 1-4
		US- 4,552,379	11-12-1985	Foster	Pages 1-8
		US- 4,599,172	07-08-1986	Gardes	Pages 1-9
		US- 4,611,379	09-16-1986	Heitzman	Pages 1-6
		US- 4,621,230	11-04-1986	Crouch et al.	Pages 1-12

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 24 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,621,831	11/11/1986	Takadera et al.	Pages 1-10
		US- 4,627,776	12-09-1986	Pamer et al.	Pages 1-8
		US- 4,637,766	01-20-1987	Milliser	Pages 1-7
		US- 4,652,194	03-24-1987	Tajima et al.	Pages 1-7
		US- 4,657,459	04-14-1987	Landt	Pages 1-7
		US- 4,665,803	05-19-1987	Mathauser	Pages 1-6
		US- 4,673,323	06-16-1987	Russo	Pages 1-5
		US- 4,674,931	06-23-1987	Schwind et al.	Pages 1-8
		US- 4,697,969	10-06-1987	Sparkes	Pages 1-4
		US- 4,704,058	11-03-1987	Crunwell	Pages 1-8
		US- 4,708,555	11-24-1987	Terry	Pages 1-8
		US- 4,712,957	12-15-1987	Edwards et al.	Pages 1-4
		US- 4,717,299	01-05-1988	Underwood	Pages 1-4
		US- 4,718,802	01-12-1988	Rockenfeller et al.	Pages 1-6
		US- 4,730,966	03-15-1988	Schiefer	Pages 1-4
		US- 4,761,860	08-09-1988	Krauss	Pages 1-5
		US- 4,770,560	09-13-1988	Ott	Pages 1-5
		US- 4,784,555	11-15-1998	Cantrall	Pages 1-4
		US- 4793,752	12-27-1998	Frieberg	Pages 1-6

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 25 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,798,507	01-17-1989	Olak	Pages 1-4
		US- 4,808,050	02-28-1989	Landt	Pages 1-7
		US- 4,810,106	03-07-1989	Ohike	Pages 1-7
		US- 4,812,094	03-14-1989	Grube	Pages 1-7
		US- 4,812,095	03-14-1989	Piacenti et al.	Pages 1-10
		US- 4,867,625	09-19-1989	Dixon	Pages 1-15
		US- 4,869,633	09-26-1989	Hayashi	Pages 1-5
		US- 4,897,005	01-30-1990	Peterson et al.	Pages 1-5
		US- 4,934,491	01-19-1990	Yamoako	Pages 1-8
		US- 4,944,523	07-31-1990	Hardey et a.	Pages 1-10
		US- 4,955,772	09-11-1990	Reck	Pages 1-7
		US- 4,973,209	11-27-1990	Essom et al.	Pages 1-7
		US- 4,978,350	12-18-1990	Wagenknecht	Pages 1-6
		US- 4,999,899	03-19-1991	Sawyer	Pages 1-6
		US- 5,000,638	3-19-1991	Essom et al.	Pages 1-6
		US- 5,003,341	03-26-1991	Ohtorii	Pages 1-25
		US- 5,011,192	04-30-1991	Campo	Pages 1-7
		US- 5,026,961	06-25-1991	Watanabe et al.	Pages 1-10
		US- 5,054,988	10-08-1991	Shiraiwa	Pages 1-13

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Anderson
Attorney Docket Number	12-9540-6520-0000-1

Sheet 26 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,061,132	10-29-1991	Cosenza	Pages 1-7
		US- 5,071,301	12-10-1991	Engelhardt et al.	Pages 1-4
		US- 5,074,728	12-24-1991	Hsu	Pages 1-3
		US- 5,080,545	01-14-1992	McKinlay	Pages 1-4
		US- 5,082,409	01-21-1992	Bias	Pages 1-10
		US- 5,088,869	02-18-1992	Greenslade	Pages 1-4
		US- 5,090,855	02-25-1992	Terry	Pages 1-18
		US- 5,094,143	03-10-1992	Anderson, Jr.	Pages 1-15
		US- 5,110,245	05-05-1992	Hiroyuki	Pages 1-7
		US- 5,112,176	05-12-1992	McCauley	Pages 1-7
		US- 5,145,273	09-08-1992	Hellon et al.	Pages 1-9
		US- 5,183,359	02-02-1993	Barth	Pages 1-9
		US- 5,190,423	03-02-1993	Ewing	Pages 1-8
		US- 5,193,884	03-16-1993	Sheu et al.	Pages 1-12
		US- 5,203,656	04-20-1993	McKinlay	Pages 1-8
		US- 5,211,551	05-18-1993	Uppal et al.	Pages 1-8
		US- 5,219,255	06-15-1993	Hussain	Pages 1-7
		US- 5,228,725	07-20-1993	Aoyagi et al.	Pages 1-6
		US- 5,234,291	08-10-1993	Swemmer	Pages 1-4

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,919
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet **27** of **42****U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,242,253	09-07-1993	Fulmer	Pages 1-8
		US- 5,297,854	03-29-1994	Nielson et al.	Pages 1-14
		US- 5,302,069	04-12-1994	Toth et al.	Pages 1-7
		US- 5,306,091	04-26-1994	Zaydel, et al.	Pages 1-7
		US- 5,320,461	06-14-1994	Stanesic	Pages 1-4
		US- 5,324,148	06-28-1994	Notaro	Pages 1-4
		US- 5,333,976	08-02-1994	Dobbrunz	Pages 1-8
		US- 5,340,254	08-23-1994	Hertel et al.	Pages 1-15
		US- 5,353,211	10-04-1994	Merko	Pages 1-10
		US- 5,360,304	11-01-1994	FitzGerald	Pages 1-8
		US- 5,395,195	03-07-1995	Fulmer	Pages 1-9
		US- 5,407,312	04-18-1995	Terrizzi	Pages 1-6
		US- 5,409,338	04-25-1995	McKinlay	Pages 1-6
		US- 5,423,646	06-13-1995	Gagnon	Pages 1-6
		US- 5,449,193	09-12-1995	Rivard et al.	Pages 1-8
		US- 5,449,216	09-12-1995	Gierman, et al.	Pages 1-15
		US- 5,452,977	09-26-1995	Terrizzi	Pages 1-6
		US- 5,499,193	09-12-1995	Rivard et al.	Pages 1-8
		US- 5,507,517	4-16-1996	Krawczak	Pages 1-6

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 28 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,533,849	07-09-1996	Burdick	Pages 1-6
		US- 5,551,722	09-03-1996	Schwartz et al.	Pages 1-8
		US- 5,590,992	01-07-1997	Russell	Pages 1-10
		US- 5,597,279	01-28-1997	Thomas	Pages 1-8
		US- 5,599,148	02-04-1997	Hirose	Pages 1-6
		US- 5,622,074	04-22-1997	Cushman	Pages 1-9
		US- 5,626,449	05-06-1997	Mckinlay	Pages 1-11
		US- 5,623,584	05-27-1997	Acevedo	Pages 1-8
		US- 5,634,377	06-03-1997	Kimura et al.	Pages 1-26
		US- 5,649,587	07-22-1997	Plant	Pages 1-6
		US- 5,667,347	09-16-1997	Matthews	Pages 1-3
		US- 5,667,348	09-16-1997	Chen et al.	Pages 1-6
		US- 5,672,037	09-30-1997	Iwata	Pages 1-9
		US- 5,674,035	10-07-1997	Hettick et al.	Pages 1-8
		US- 5,702,443	12-30-1997	Branemark	Pages 1-6
		US- 5,702,445	12-30-1997	Branemark	Pages 1-6
		US- 5,704,631	01-06-1998	Sparks et al.	Pages 1-8
		US- 5,711,581	01-27-1998	Plumer	Pages 1-25
		US- 5,713,707	02-03-1998	Gagnon	Pages 1-6

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 29 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,746,560	05-05-1998	Barth et al.	Pages 1-7
		US- 5,752,794	05-19-1998	Krawczak	Pages 1-6
		US- 5,779,411	07-14-1998	Vasseur et al.	Pages 1-7
		US- 5,779,709	07-14-1998	Harris, Jr. et al.	Pages 1-11
		US- 5,807,010	09-15-1998	Parker et al.	Pages 1-10
		US- 5,810,532	09-22-1998	Huang	Pages 1-7
		US- 5,810,670	09-22-1998	Yamamuro et al.	Pages 1-9
		US- 5,820,322	10-13-1998	Hermann et al.	Pages 1-9
		US- 5,842,749	12-01-1998	DiMarco	Pages 1-10
		US- 5,890,859	04-06-1999	Hasnik	Pages 1-6
		US- 5,893,694	04-13-1999	Wilusz et al.	Pages 1-4
		US- 5,918,946	07-06-1999	DiMarco	Pages 1-5
		US- 5,921,520	07-13-1999	Wisniewski	Pages 1-5
		US- 5,947,688	09-07-1999	Thommes	Pages 1-4
		US- 5,961,264	10-05-1999	Postadan	Pages 1-8
		US- 5,967,721	10-19-1999	Giachinta et al.	Pages 1-8
		US- 5,980,177	11-09-1999	Schiess et al.	Pages 1-9
		US- 6,006,414	12-28-1999	Corporon, et al.	Pages 1-5
		US- 6,007,079	12-28-1999	Kincaid et al.	Pages 1-11

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 30 of 42

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6,007,109	12-28-1999	Schoetz	Pages 1-4
		US- 6,010,169	01-04-2000	Cox et al.	Pages 1-9
		US- 6,023,833	02-15-2000	Jacobsmeier	Pages 1-15
		US- 6,039,408	03-21-2000	Alvarez	Pages 1-11
		US- 6,039,524	03-21-2000	McKinlay	Pages 1-10
		US- 6,053,682	04-25-2000	Krauter	Pages 1-8
		US- 6,062,786	05-16-2000	Garver et al.	Pages 1-19
		US- 6,106,077	08-22-2000	Kluge	Pages 1-5
		US- 6,106,208	08-22-2000	Lin	Pages 1-9
		US- 6,135,689	10-24-2000	Matsunami	Pages 1-10
		US- 6,135,691	10-24-2000	Nadarajah	Pages 1-11
		US- 6,137,080	10-24-2000	Borchardf et al.	Pages 1-8
		US- 6,142,579	11-07-2000	Thiel	Pages 1-5
		US- 6,149,363	11-21-2000	March	Pages 1-23
		US- 6,152,412	11-28-2000	Basickes et al.	Pages 1-14
		US- 6,155,167	12-05-2000	Meyer	Pages 1-5
		US- 6,155,761	12-05-2000	Donovan	Pages 1-11
		US- 6,183,180	02-06-2001	Copple et al.	Pages 1-12
		US- 6,193,283	02-27-2001	Picker, Jr. et al	Pages 1-9

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet **31** of **42****U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6,206,606	03-27-2001	Mita et al.	Pages 1-12
		US- 6,220,806	04-24-2001	Chapman et al.	Pages 1-7
		US- 6,225,566	05-01-2001	Dienst	Pages 1-9
		US- 6,227,782	05-08-2001	Bowling et al.	Pages 1-26
		US- 6,263,562	07-24-2001	Gosis et al.	Pages 1-10
		US- 6,273,658	08-14-2001	Patterson et al.	Pages 1-11
		US- 6,287,064	09-11-2001	Jhumra et al.	Pages 1-14
		US- 6,290,445	09-18-2001	Duran et al.	Pages 1-13
		US- 6,305,890	10-23-2001	Okamura	Pages 1-25
		US- 6,308,997	10-30-2001	Haseley et al.	Pages 1-13
		US- 6,318,942	11-20-2001	Wiecozorek	Pages 1-6
		US- 6,336,779	01-08-2002	Jakob et al.	Pages 1-7
		US- 6,337,456	01-08-2002	Taniguchi et al.	Pages 1-15
		US- 6,357,953	03-19-2002	Ballantyne	Pages 1-7
		US- 6,402,171	06-11-2002	Nickerson et al.	Pages 1-5
		US- 6,435,791	08-20-2002	Bydalek	Pages 1-9
		US- 6,450,747	09-17-2002	Fischer	Pages 1-9
		US- 6,499,925	12-31-2002	Duran et al.	Pages 1-13
		US- 6,503,038	01-07-2003	McGough	Pages 1-4

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	32	of	42
-------	----	----	----

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6,511,132	01-28-2003	Wright	Pages 1-14
		US- 6,517,222	02-11-2003	Orlov	Pages 1-8
		US- 6,554,552	04-29-2003	McKinlay	Pages 1-8
		US- 6,588,999	07-08-2003	Kubler et al.	Pages 1-18
		US- 6,592,314	07-15-2003	Wilson	Pages 1-6
		US- 6,655,745	12-02-2003	Fohrenkamm, et al.	Pages 1-12
		US- 6,711,809	03-30-2004	Fischer et al.	Pages 1-22
		US- 6,749,386	06-15-2004	Harris	Pages 1-10
		US- 6,776,565	08-17-2004	Chang	Pages 1-9
		US- 6,810,309	10-26-2004	Sadler et al.	Pages 1-18
		US- 6,814,400	11-09-2004	Henderson et al.	Pages 1-7
		US- 6,827,539	12-07-2004	Somers	Pages 1-9
		US- 6,843,631	01-18-2005	Winker	Pages 1-6
		US- 6,860,689	03-01-2005	Attanasio	Pages 1-48
		US- 6,878,069	04-12-2005	Swim, Jr.	Pages 1-15
		US- 6,896,465	05-24-2005	Andersson	Pages 1-10
		US- 6,899,503	05-31-2005	Anderson et al.	Pages 1-7
		US- 6,916,144	07-12-2005	Lees	Pages 1-8
		US- H1,258	12-07-1993	Hindle, Jr.	Pages 1-6

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 33 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- RE24,572	06-28-1859	M. H. Nicolas & L. J. Champagne	Pages 1-2
		US- RE24,678	07-05-1859	L. B. Tyng.	Pages 1-3
		US- RE33,827	12-03-1861	T. D. Davis	Pages 1-2
		US- RE22,926	10-07-1947	Tinnerman	Pages 1-3
		US- 2002/0039522 A1	04-04-2002	Hartman et al.	Pages 1-15
		US- 2002/0098033 A1	07-25-2002	Cardoso	Pages 1-5
		US- 2003/0005786 A1	01-09-2003	Stuart	Pages 1-14
		US- 2003/0040795	02-27-2003	Elson et al.	Pages 1-33
		US- 2003/0108403	06-12-2003	Scoyoc	Pages 1-8
		US- 2003/0194294	10-16-2003	Wilson	Pages 1-6
		US- 2004/0167001	08-26-2004	Hagihara et al.	Pages 1-7
		US- 2004/0174015	09-09-2004	Deremiah	Pages 1-9
		US- 2005/0008457	01-13-2005	Winker	Pages 1-7
		US- 2005/0095085	05-05-2005	Winker	Pages 1-6
		US- 4,460,300	07-17-1984	Bettini et al.	Pages 1-4
		US- 3,960,047	06-01-1976	Liffick	Pages 1-4
		US- 2,432,531	12-16-1947	G. A. Lyon	Pages 1-4
		US- 4,382,635	05-10-1983	Brown et al.	Pages 1-4
		US- 613,776	11-08-1898	P. D. Plain	Pages 1-3

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 0930 175 A	07-21-1999	Peugeot	Pages 1-6	<input checked="" type="checkbox"/>
		GB 26739	12-08-2004	Dale Marshall	Pages 1-3	<input type="checkbox"/>
		GB 830 722	03-16-1960	Morse	Pages 1-7	<input type="checkbox"/>
		GB 507 104	07-06-1939	Allam	Pages 1-4	<input type="checkbox"/>
		GB 618,388	04-13-1949	Watson	Pages 1-5	<input type="checkbox"/>
		GB 2 167 516	05-19-1986	Key Manufacturing Inc.	Pages 1-6	<input type="checkbox"/>

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet **34** of **42****Complete if Known**

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 712,905	11-04-1902	J. W. Cannon	Pages 1-3
		US- 1,040,215	10-01-1912	L. D. Kriner	Pages 1-3
		US- 1,081,631	12-16-1913	C. M. Siever	Pages 1-3
		US- 1,140,974	05-25-1915	J. R. Formby	Pages 1-2
		US- 1,150,362	08-17-1915	C. S. Hascall	Pages 1-4
		US- 1,543,282	06-23-1925	E. B. De Loe	Pages 1-3
		US- 1,611,408	12-21-1926	H. A. Bowers	Pages 1-3
		US- 3,208,493	09-28-1965	H. D. Holmes	Pages 1-6
		US- 3,307,893	03-07-1967	E. H. Williams	Pages 1-4
		US- 3,851,690	12-03-1974	Wing et al.	Pages 1-8
		US- 3,942,570	03-09-1976	Bochman, Jr. et al.	Pages 1-10
		US- 4,210,372	07-01-1980	McGee et al.	Pages 1-7
		US- 2,333,388	11-02-1943	O. J. Poupitch	Pages 1-6
		US- 3,399,589	09-03-1968	A. R. Breed	Pages 1-7
		US- 3,800,396	04-02-1974	Puchner	Pages 1-4
		US- 4,482,278	11-13-1984	Dorn	Pages 1-3
		US- 3,389,735	06-25-1968	J. Katz	Pages 1-3
		US- 4,976,576	12-11-1990	Mahaney, Jr. et al.	Pages 1-13
		US- 5,141,374	08-25-1992	Olofsson	Pages 1-7

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet **35** of **42**

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,824,305	04-25-1989	McCauley	Pages 1-6
		US- 4,887,950	12-19-1989	Sakayori et al.	Pages 1-17
		US- 4,900,206	02-13-1990	Kazino et al.	Pages 1-6
		US- 4,275,285	06-23-1981	Jadach	Pages 1-7
		US- 4,420,848	12-20-1983	Becker	Pages 1-7
		US- 4,669,937	06-02-1987	Feldman	Pages 1-4
		US- 4,744,119	05-17-1988	Omori	Pages 1-4
		US- 4,764,070	08-16-1988	Baltzell	Pages 1-4
		US- 4,813,835	03-21-1989	Toth	Pages 1-6
		US- 2,954,304	09-27-1960	K. K. K. Kroyer	Pages 1-6
		US- 3,138,407	06-23-1964	J. J. Duggan	Pages 1-5
		US- 3,649,079	03-14-1972	English	Pages 1-5
		US- 3,960,047	06-01-1976	Liffick	Pages 1-4
		US- 4,201,110	05-06-1980	Hanai et al.	Pages 1-4
		US- 4,457,560	07-03-1984	Rowe et al.	Pages 1-8
		US- 4,842,339	06-27-1989	Roulinson	Pages 1-9
		US- 5,163,739	11-17-1992	Stanlake	Pages 1-7
		US- 1,727,590	09-10-1929	T. Ferry	Pages 1-3
		US- 4,460,300	07-17-1984	Bettini et al.	Pages 1-4

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	36	of	42
-------	----	----	----

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,944,644	07-31-1990	Bell	Page 1-7
		US- 4,557,654	12-10-1985	Masuda et al.	Pages 1-9
		US- 6,305,627	10-23-2001	Stiner et al.	Pages 1-9
		US- 1,834,871	12-01-1931	Heyman Rosenberg	Pages 1-4
		US- 5,163,739	11-17-1992	Stanlake, Roland R.	Pages 1-7
		US- 4,948,319	08-14-1990	Day et al.	Pages 1-8
		US- 6,860,692	03-01-2006	Van Ingen et al.	Pages 1-6
		US- 6,935,825	08-30-2005	Winker, Alexander	Pages 1-6
		US- 6,808,350	10-26-2004	Tooman et al.	Pages 1-6
		US- 6,957,939	10-25-2005	Wilson, Larry J.	Pages 1-9
		US- 6,866,457	03-15-2005	Wilson, Larry J.	Pages 1-10
		US- 3,584,667	06-15-1971	Reiland	Pages 1-14
		US- 3,659,491	05-02-1972	Duff et al.	Pages 1-6
		US- 4,103,725	08-01-1978	Abe	Pages 1-7
		US- 4,790,703	12-13-1988	Wing	Pages 1-13
		US- 4,898,429	02-06-1990	Pumer	Pages 1-7
		US- 4,984,938	01-15-1991	Scott, Jr. et al.	Pages 1-6
		US- 4,986,712	01-22-1991	Fultz	Pages 1-3
		US- 5,180,266	01-19-1993	Nolan et al.	Pages 1-5

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date	
Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 37 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,584,628	12-17-1996	Bemoni	Pages 1-6
		US- 5,688,091	11-18-1997	McKinlay	Pages 1-6
		US- 5,730,568	03-24-1998	Lanham et al.	Pages 1-6
		US- 3,356,421	12-05-1967	D. J. Trevarrow, Jr.	Pages 1-3
		US- 3,549,204	12-22-1970	E. G. Spisak	Pages 1-5
		US- 4,998,780	03-12-1991	Eshler et al.	Pages 1-7
		US- 5,181,767	01-26-1993	Hudgins et al.	Pages 1-5
		US- 5,273,384	12-28-1993	Dunbar	Pages 1-4
		US- 5,520,445	05-28-1996	Toth	Pages 1-7
		US- 5,857,818	01-12-1999	Bias, Sr.	Pages 1-5
		US- 6,074,148	06-13-2000	Wilson	Pages 1-3
		US- 4,339,179	07-13-1982	Dany	Pages 1-5
		US- 1,727,590	09-10-1929	T. Ferry	Pages 1-3
		US- 4,460,300	07-17-1984	Bettini et al.	Pages 1-4
		US- 4,944,644	07-31-1990	Bell	Pages 1-7
		US- 4,362,449	12-07-1982	Hinsky	Pages 1-8
		US- 5,857,818	01-12-1999	Bias, Sr.	Pages 1-5
		US- 2,588,372	03-11-1952	G. H. Erb	Pages 1-5
		US- 4,971,498	11-20-1990	Goforth	Pages 1-10

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet **38** of **42****Complete if Known**

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6,102,488	08-15-2000	Wilson	Pages 1-5
		US- 2,393,323	01-22-1946	D. C. Hungerford et al.	Pages 1-5
		US- 3,520,342	07-14-1970	H. Scheffer	Pages 1-4
		US- 4,019,550	04-26-1977	DeHaitre	Pages 1-8
		US- 2,569,989	10-02-1951	H. R. Harding et al.	Pages 1-3
		US- 7,004,700	02/28/2006	Wilson	Pages 1-7
		US- 4,907,924	03-13-1990	Figini	Pages 1-13
		US- 6,572,127	06-03-2003	Pazdirek	Pages 1-8
		US- 7,005,700	02-28-2006	Wilson	Pages 1-7
		US- 6,891,829	03-28-2006	Brewwer, et al.	Pages 1-10
		US- 154,255	08-18-1974	E. W. Ives	Pages 1-2
		US- 218,425	08-12-1879	F. A. Bradley	Pages 1-2
		US- 443,799	12-30-1890	A. Searls	Pages 1-4
		US- 819,158	05-01-1906	F. A. Neider	Pages 1-2
		US- 1,374,106	04-05-1921	L. H. Perlman	Pages 1-4
		US- 1,381,437	06-14-1921	O. A. Smith	Pages 1-6
		US- 2,708,844	05-24-1955	W. C. Cincel	Pages 1-6
		US- 3,857,611	12-31-1974	Pansky	Pages 1-7
		US- 4,018,133	04-19-1977	Chaivre et al.	Pages 1-4

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	39	of	42
-------	----	----	----

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,123,961	11-07-1978	Chaivre et al.	Pages 1-10
		US- 4,169,630	10-02-1979	Wagner	Pages 1-5
		US- 4,201,110	05-06-1980	Hanai et al.	Pages 1-4
		US- 4,583,897	04-22-1986	Briles	Pages 1-4
		US- 4,373,842	02-15-1983	Bettini et al.	Pages 1-4
		US- 4,576,533	03-18-1986	Chartier	Pages 1-4
		US- 4,815,920	03-28-1989	Morooka	Pages 1-7
		US- 272,589	02-20-1983	Searls	Pages 1-2
		US- 1,254,514	01-22-1918	Lehmann	Pages 1-3
		US- 3,971,289	07-27-1976	Chaivre	Pages 1-4
		US- 4,427,326	01-02-1984	Hobson et al.	Pages 1-4
		US- 4,521,146	06-04-1985	Wharton	Pages 1-4
		US- 4,582,462	04-15-1986	Thiel	Pages 1-5
		US- 4,659,273	04-21-1987	Dudley	Pages 1-5
		US- 4,749,321	06-07-1988	Knohl et al.	Pages 1-5
		US- 4,775,272	10-04-1988	Toth	Pages 1-8
		US- 4,850,776	07-25-1989	Toth	Pages 1-8
		US- 4,883,399	11-28-1989	MacLean	Pages 1-7
		US- 4,955,773	09-11-1990	Toth	Pages 1-8

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 40 of 42

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,968,202	11-6-1990	Lanham	Pages 1-8
		US- 4,993,902	02-19-1991	Hellon	Pages 1-5
		US- 5,028,093	07-02-1991	Nason	Pages 1-4
		US- 5,048,898	09-17-1991	Russell	Pages 1-6
		US- 5,082,409	01-21-1992	Bias	Pages 1-10
		US- 5,163,797	11-17-1992	Patti	Pages 1-5
		US- 5,180,266	01-19-1993	Nolan	Pages 1-5
		US- 5,350,266	09-27-1994	Espey, et al.	Pages 1-4
		US- 5,370,486	12-06-1994	Plummer	Pages 1-19
		US- 5,380,070	01-10-1995	FitzGerald	Pages 1-3
		US- 6,852,181	02-08-2005	Wheeler, Jr.	Pages 1-10
		US- 6,418,772	07-16-2002	Talbott, et al.	Pages 1-9
		US- 6,325,874	12-04-2001	Wheeler, Jr.	Pages 1-10
		US- 5,704,998	01-06-1998	Gallagher, Jr.	Pages 1-4
		US- 5,555,628	09-17-1996	Madden	Pages 1-7
		US- 5,538,566	07-23-1996	Gallagher, Jr.	Pages 1-5
		US- 5,496,425	03-05-1996	Gallagher, Jr.	Pages 1-6
		US- 5,492,019	02-20-1996	Madden	Pages 1-7
		US- 5,454,888	10-03-1995	Gallagher, Jr.	Pages 1-5

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	41	of	42
-------	----	----	----

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

[illegible][illegible]

**Examiner
Signature**

Date	
Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet	42	of	42
-------	----	----	----

[illegible]

Examiner
Signature

Date
Considered

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (07-05)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/714,191
				Filing Date	November 14, 2003
				First Named Inventor	John Fritsch
				Art Unit	3677
				Examiner Name	Jeffrey Andrew Sharp
Sheet	2	of	2	Attorney Docket Number	12-9540-6520-0000-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		N. FUGIMOTO, Notification of Reasons for Rejection, July 28, 2005, Pages 1-5, Japanese Patent Office	✓

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		DE 199 56 287 A1	05-31-2001	August Friedberg GmbH	Pages 1-8	✓
		DE 298 15 492 U1	10-29-1998	Quo Jun Feng	Pages 1-10	

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		C.J. HUUSOM, Communication pursuant to Article 96(2) EPC, February 12, 2004, Pages 1-3, European Patent Office	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/714,191
				Filing Date	November 14, 2003
				First Named Inventor	John Fritsch
				Art Unit	3677
				Examiner Name	Jeffrey Andrew Sharp
Sheet	2	of	2	Attorney Docket Number	12-9540-6520-0000-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		H. GRANGER, Supplementary European Search Report, February 23, 2006, Pages 1-2	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 1 248 004 A2	10-09-2002	Industrial and Automotive	Pages 1-10	
		JP-2003-247519	05-09-2003	Yanmar Co Ltd.	Pages 1-6	✓

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/714,191
				Filing Date	November 14, 2003
				First Named Inventor	John Fritsch
				Art Unit	3677
				Examiner Name	Jeffrey Andrew Sharp
Sheet	2	of	2	Attorney Docket Number	12-9540-6520-0000-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		C. MARTIN, Supplementary European Search Report, June 31, 2006, Page 1-3, European Patent Office	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet	1	of	2
-------	---	----	---

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ ~Number ⁴ ~Kind Code ⁵ (if known)				
		GB 2 176 859 A	01-07-1987	Key International Manufa	Pages 1-5	
		DE 44 39 567 A	06-22-1995	RADOLID Thiel GmbH	Pages 1-6	
		FR 1 261 528 A	05-19-1961	Hennequin Maurice	Pages 1-2	
		DE 41 05 741 A	09-03-1992	Daimler Benz AG	Pages 1-6	

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/714,191
				Filing Date	November 14, 2003
				First Named Inventor	John Fritsch
				Art Unit	3677
				Examiner Name	Jeffrey Andrew Sharp
Sheet	2	of	2	Attorney Docket Number	12-9540-6520-0000-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		C. MARTIN, European Search Report, May 20, 2003, pages 1-4, European Patent Office	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Notice of References Cited

Application/Control No.

10/712,611

Applicant(s)/Patent Under
Reexamination
BYDALEK ET AL.

Examiner

Jeffrey Sharp

Art Unit

3677

Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-			
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	NorthWest Short Line -- "Bits of Knowledge for Sharing"
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



PTO/SB/08B (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/714,191
				Filing Date	November 14, 2003
				First Named Inventor	John Fritsch
				Art Unit	3677
				Examiner Name	Jeffrey Andrew Sharp
Sheet	1	of	1	Attorney Docket Number	12-9540-6520-0000-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		JEFFREY ANDREW SHARP, Notice of References Cited, February 14, 2006, Page1, Unites States Patent and Trademark Office	
		NorthWest Short Line -- "Bits of Knowledge for Sharing, Page 1	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language. Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/714,191
				Filing Date	November 14, 2003
				First Named Inventor	John Fritsch
				Art Unit	3677
				Examiner Name	Jeffrey Andrew Sharp
Sheet	2	of	2	Attorney Docket Number	12-9540-6520-0000-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		C. MARTIN, Supplementary European Search Report, February 18, 2005, Pages 1-3, European Patent Office	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

(Use as many sheets as necessary)

Sheet

1

of

2

Application Number

10/714.191

Filing Date

November 14, 2003

First Named Inventor

John Fritsch

Art Unit

3677

Examiner Name

Jeffrey Andrew Sharp

Attorney Docket Number

12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet	2	of	2
-------	---	----	---

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		N. Fujimoto, Translation of Official Action, January 4, 2006, Pages 1-5 Japanese Patent Office	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet	1	of	2
-------	---	----	---

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		EP 0 265 132 A	04-27-1988	Steelpress Supplies Ltd.	Pages 1-9	
		CH 374 858 A	01-31-1964	Nienburger Metallwarenfab	Pages 1-4	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/714,191
				Filing Date	November 14, 2003
				First Named Inventor	John Fritsch
				Art Unit	3677
				Examiner Name	Jeffrey Andrew Sharp
Sheet	2	of	2	Attorney Docket Number	12-9540-6520-0000-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Martin, C., European Search Report for Application No. EP 99102819, June 1, 1999, Pages 1-2, European Patent Office	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		DE 79 16 057 U	09-13-1979	Thiel, Horst	Pages 1-7	
		DE 33 35 723 A	04-11-1985	Rodolid Thiel GmbH	Pages 1-10	✓
		DE 87 15 472 U	02-04-1988	Bergisch Achsenfabrik Fr.	Pages 1-10	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language. Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/714,191
				Filing Date	November 14, 2003
				First Named Inventor	John Fritsch
				Art Unit	3677
				Examiner Name	Jeffrey Andrew Sharp
Sheet	2	of	2	Attorney Docket Number	12-9540-6520-0000-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Schaeffler, C., Search Report, September 2, 1999, Pages 1-2, The National Institute of Industrial Property, Republic of France	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet	1	of	2
-------	---	----	---

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP 61-286606	12-17-1961	Toth	Pages 1-6	✓
		JP 54-14351	02-02-1979		Pages 1-8	✓
		JP 61-149606	07-08-1986	Toth	Pages 1-6	✓

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/714,191
				Filing Date	November 14, 2003
				First Named Inventor	John Fritsch
				Art Unit	3677
				Examiner Name	Jeffrey Andrew Sharp
Sheet	2	of	2	Attorney Docket Number	12-9540-6520-0000-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Examiner, Translation of Notification of Reasons of Rejection, 6/28/1996, Pages 1-2, Japanese Patent Office	
		Examiner, Translation of Notification of Reasons of Rejection, 2/5/1997, Pages 1-2, Japanese Patent Office	
		Examiner, Translation of Notification of Reasons of Rejection, 03-13-1998, Pages 1-2, Japanese Patent Office	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

Sheet	1	of	2
-------	---	----	---

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP-A-54-147349	11-17-1979		Pages 1-3	✓
		JP-A-62-176828	08-03-1987		Pages 1-4	✓
		JP-A-61-192915	08-27-1986		Pages 1-4	✓

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/714,191
				Filing Date	November 14, 2003
				First Named Inventor	John Fritsch
				Art Unit	3677
				Examiner Name	Jeffrey Andrew Sharp
Sheet	2	of	2	Attorney Docket Number	12-9540-6520-0000-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Translation of Office Action, Circa November 1997, Page 1, Japanese Patent Office	
		Translation of the Relevant Portions of JP-U-A-56-148116, which was cited as Reference 1 in the above-referenced Japanese Office Action, Circa November 1997, Page 1	
		Translation of the Relevant Portions of JP-U-A-63-152822, which was cited as Reference 2 in the above-referenced Japanese Office Action, Circa November 1997, Page 1	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Application Number	10/714,191
Filing Date	November 14, 2003
First Named Inventor	John Fritsch
Art Unit	3677
Examiner Name	Jeffrey Andrew Sharp
Attorney Docket Number	12-9540-6520-0000-1

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/714,191
				Filing Date	November 14, 2003
				First Named Inventor	John Fritsch
				Art Unit	3677
				Examiner Name	Jeffrey Andrew Sharp
Sheet	2	of	2	Attorney Docket Number	12-9540-6520-0000-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Hoffmann, M. P., European Search Report for EP 88 11 5654, October 3, 1989, Page 1, European Patent Office	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.